United States Patent [19]

Yanaga et al.

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[54] **PUSH-BUTTON SWITCH WITH RESILIENT CONDUCTIVE CONTACT MEMBER AND WITH HELICAL CONDUCTIVE NETWORKS**

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[30] **Foreign Application Priority Data**

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[52] **U.S. Cl.** .....**200/159 B,** 200/166 C, 200/166 BH

[51] **Int. Cl.** **H01h 13/06,** H01h 13/52, H01h 1/24

[58] **Field of Search**.....200/159 B, 159 R, 200/16 A, 166 CP, 166 C, 166 H, 166 BH, 83 N, 86 R

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[57] **ABSTRACT**

In a push-button switch using an elastic and electrically conductive contact member movable into and out of engagement with adjacent but separated conductive paths on a substrate, the conductive paths are in the form of helices fitting within one another and the engaging surface of the contact member is provided with a series of lands arranged in a plurality of L-shaped patterns.

4 Claims, 3 Drawing Figures